

M 5.1, 8 km NW of Prague, Oklahoma

Origin Time: 2024-02-03 05:24:28 UTC (Fri 23:24:28 local)  
Location: 35.5346° N 96.7337° W Depth: 6.0 km

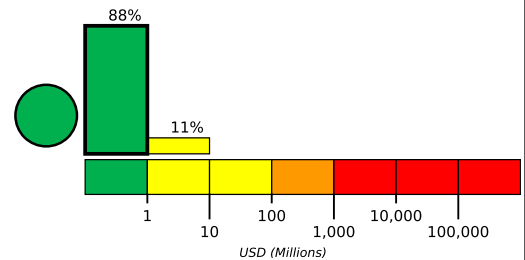
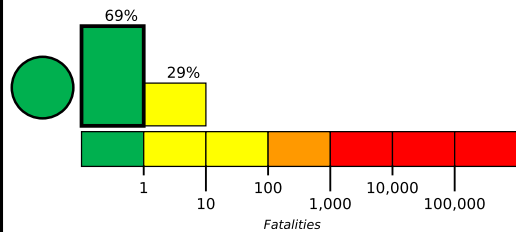
PAGER Version 6

Created: 2 hours, 22 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

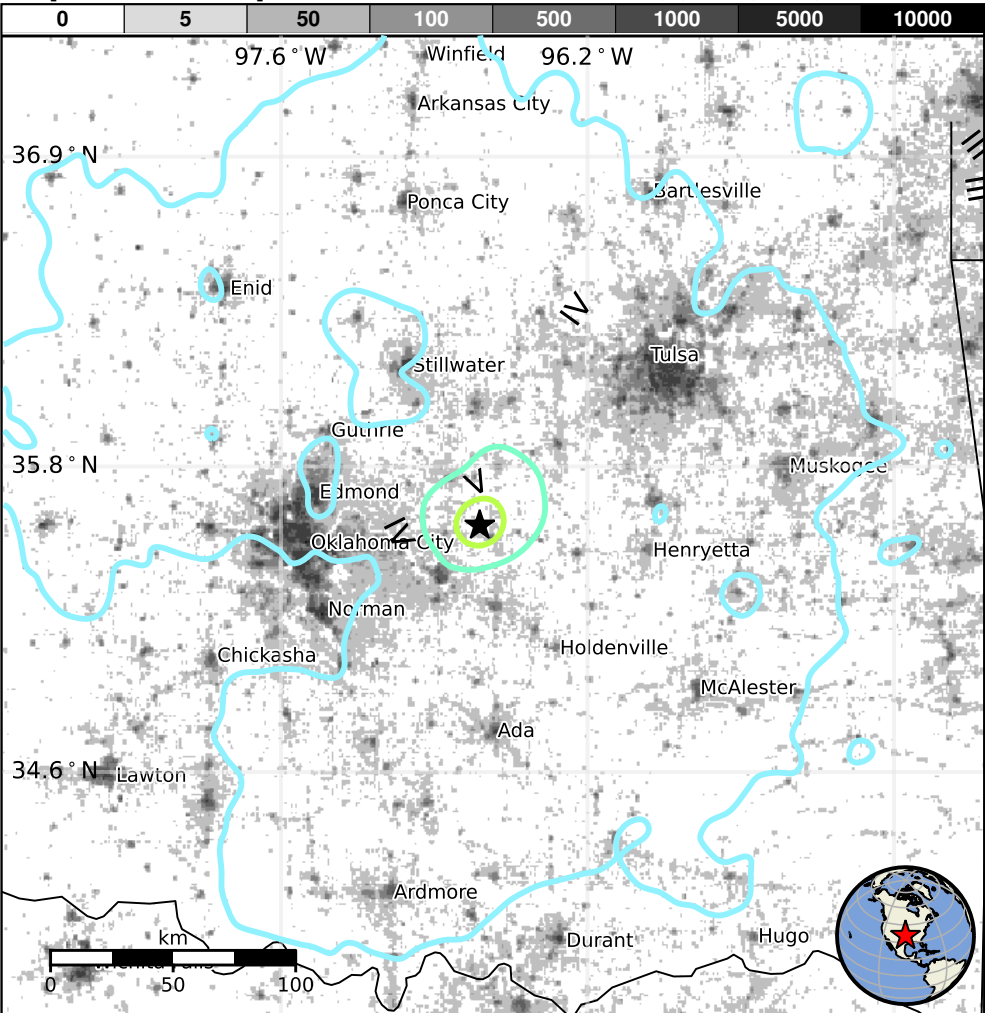


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,676k*	2,669k	18k	4k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-02-15	371	4.6	IV(8k)	—
1997-09-06	100	4.5	V(3k)	—

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Prague	2k
V	Meeker	1k
V	Stroud	3k
V	Chandler	3k
IV	Boley	1k
IV	Hominy	4k
IV	Tulsa	392k
IV	Broken Arrow	99k
III	Oklahoma City	580k
III	Norman	111k
III	Wichita Falls	105k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/ok2024cish#pager>

bold cities appear on map.

(k = x1000)

Event ID: ok2024cish